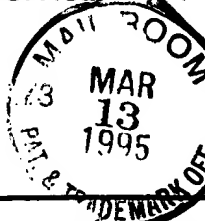


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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	4,228,404	10/1980	Widlar	330	267	02/1979
Q	4,595,974	06/1986	Lethellier	363	21	09/1984
Q	4,564,769	01/1986	Melamed	307	300	09/1983
Q	4,645,945	02/1987	de Sartre	307	254	03/1985

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						YES	NO

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1 Preliminary Data Sheet, "LM1070 5A High Efficiency Switching Regulator,"  
Linear Technology Corporation, 1986, pp. 10-14 to 10-17.

2 Nelson, Carl, "Switching Controller Chip Handles 100W from a 5-Pin Package,"  
Electronic Design, Dec. 1985, pp. 73-78.

3 Data Sheet, "LM117/LM217/LM317-3 Terminal Adjustable Regulator," National  
Semiconductor Corporation Linear Databook, 1982, pp. 1-23 to 1-30. *Not Found*

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Q	4,727,264	02/1988	Neidorff	307	125	06/1985
Q	3,105,158	09/1963	Nichols	307	88.5	06/1960
Q	3,534,281	10/1970	Hillhouse	307	237	02/1969
Q	3,569,742	03/1971	Schroeder	307	254	08/1968
Q	3,641,369	02/1972	Wallingford	307	206	07/1970
Q	3,845,405	10/1974	Leidich	330	207	05/1973
Q	4,028,561	06/1977	Black et al.	307	<del>330</del> 300	03/1976
Q	4,031,416	06/1977	Peil	307	299	03/1976

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Q 8	Collector Diffusion Isolation - A New Bipolar Process for Integrated Circuits, 2nd Edition, October 1972, pp.4-31.
Q 4	Volume III of the Proceedings of Powercon 3: Third National Solid State Power Conversion Conference, June 1976, pp. E3-1 to E3-7.
Q 10	Data Sheet, "LM101A/LM301A, LM107/LM307 Operational Amplifiers," Linear Technology Corporation Linear Databook, 1986, pp. 2-177 to 2-182.

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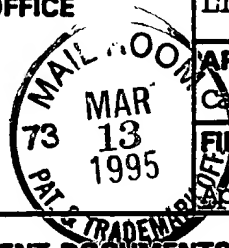
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Q	<del>4,364,737</del> 4164747	08/1979	Gerstner	357	46	03/1977
Q	4,426,590	01/1984	Rischmiller	323	076	11/1981
Q	4,461,960	07/1984	Yasunaga	307	243	11/1983
Q	4,542,399	09/1985	Monticelli	357	46	02/1983

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Q 11	<del>Data Sheet, "LM119/LM219/LM319 High Speed Dual Comparator," National Semiconductor Corporation Linear Databook, 1982, pp. 5-22 to 5-26. No date</del>
Q 12	<del>Data Sheet, "LM111/LM211 Voltage Comparator," National Semiconductor Corporation Linear Databook, 1982, pp. 5-16 to 5-21. No date</del>
Q 13	Dobkin, "Monolithic Temperature Transducer," 1974 IEEE International Solid-State Circuits Conference, Digest of Technical Papers, pp. 126-127, 239.

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<i>Q</i>	3,617,845	11/1971	McKenna	318	341	04/1970
<i>Q</i>	3,996,506	12/1976	Kichak	321	13	01/1975
<i>Q</i>	4,027,228	05/1977	Collins	323	21	03/1976
<i>Q</i>	4,074,147	02/1978	Infante	307	230	12/1976
<i>Q</i>	4,156,837	05/1979	Baker	323	4	04/1977
<i>Q</i>	4,176,309	11/1979	Schulz et al.	323	4	03/1978
<i>Q</i>	4,213,068	07/1980	Ahmed	307	255	01/1978
<i>Q</i>	4,215,279	07/1980	Lataire et al.	307	254	03/1978

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>Q</i>	0,159,233	03/1985	EPO				X

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<i>Q</i>	Bell, David A., "Designing Optimal Base Drive for High Voltage Switching Transistors," Proceedings of Powercon 7, 1980, pp. F1-1 to F1-11.
<i>Q</i>	Carpenter, Ralph, "A New Universal Proportional Drive Technique for High Voltage Switching Transistors," Proceedings of Powercon 8, Power Concepts, Inc. 1981, pp. D2-1 to D2-15.
<i>Q</i>	Perkinson, Joseph and Brand, Jerry, "A New Proportional Base Drive Technique Optimizes Turn Off Performance," Proceedings of Powercon 10, Power Concepts, Inc., 1983, pp. B-1-1 to B-1-11.

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Q	4,218,730	08/1980	Marumoto et al.	363	124	11/1978
R	4,220,873	09/1980	Giordano	307	254	09/1980
Q	4,234,805	11/1980	Carlsen, II	307	254	03/1978
R	4,254,372	03/1981	Moore, Jr.	323	277	02/1979
R	4,286,175	08/1981	Baker	307	581	05/1979
Q	4,291,259	09/1981	Marumoto et al.	318	139	12/1979
Q	4,300,081	11/1981	Van Landingham	318	599	03/1980
Q	4,309,645	01/1982	De Villeneuve	318	341	05/1979

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Q <sub>17</sub>	Avant, R. L., West, G. E. and Palma, R. E., "A Proportional Drive for Discontinuous Mode DC-to-DC Converters," IEEE, 1984, pp. 352-358.
Q <sub>18</sub>	Grebene, Alan. B., "Bipolar and MOS Analog Integrated Circuit Design," John Wiley & Sons, 1984, pp. 183 ff. 183-185
Q <sub>19</sub>	Pressman, A., "Switching and Linear Power Supply, Power Converter Design," Hatden Book Co., Inc., 1977, pp. 49-52.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	4,323,825	04/1982	Hayes	315	387	10/1980
Q	4,333,120	06/1982	Kotowaki	361	79	02/1980
Q	4,337,494	06/1982	Huykman	361	86	04/1980
Q	4,345,164	08/1982	Gies	307	255	11/1979
Q	4,346,312	08/1982	Christopherson	307	270	11/1979
Q	4,355,277	10/1982	Davis et al.	323	351	10/1980
Q	4,375,073	02/1983	Glogolja et al.	361	91	<del>01/1980</del>
Q	4,378,580	03/1983	Stich	361	91	11/1981

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

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Q <sub>20</sub>	Rischmueller, K., "An Improved Base Drive Method Eliminates Switching Aid Networks in Transistorized High Power Converter Circuits," Proceedings of Powercon 8, Power Concepts, Inc., 1981, pp. G1-1-1 to G-1-1-9.
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Q <sub>22</sub>	Holland, Barney, "A New Integrated Circuit for Current Mode Control," Proceedings of Powercon 10, Power Concepts, Inc., 1983, pp. C-2-1 to C-2-7.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Q</i>	4,427,902	01/1984	Hickman et al.	307	270	03/1982
<i>Q</i>	4,430,608	02/1984	Nesler	323	282	12/1981
<i>Q</i>	4,441,068	04/1984	Smith	323	351	10/1981
<i>Q</i>	4,442,411	04/1984	Gehring	330	296	09/1981
<i>Q</i>	4,461,979	07/1984	Jeenicke et al.	315	209	05/1982
<i>Q</i>	4,480,201	10/1984	Jaeschke	307	570	06/1982
<i>Q</i>	4,491,744	01/1985	Corey	307	270	12/1983
<i>Q</i>	4,520,438	05/1985	Norton	363	98	07/1983

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<i>Q</i> 23	Rippel, Wally E., "A New Closed Loop Adaptive Base Drive Scheme Minimizes Transistor Drive and Saturation Losses," Proceedings of Powercon 11, Power Concepts, Inc. 1984, pp. G-1-1 to G-1-13.
<i>Q</i> 24	Berger, H. H. and Wiedmann, S. K. 07/00/77, "Speed Enhancement of Saturated Transistors," <u>IBM Technical Disclosure Bulletin</u> , Vol. 20, No. 2, July 1977, pp. 636-637.
<i>Q</i> 28	Bonkowski, Richard L., "A Technique for Increasing Power Transistor Switching Frequency," <u>IEEE Transactions on Industry Applications</u> , Vol IA-22, No. 2, March/April 1986, pp. 240-243.

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<i>Q</i>	4,528,463	07/1985	Kung	307	270	06/1982
<i>Q</i>	4,533,839	08/1985	Balakrishnan	307	270	01/1983
<i>Q</i>	4,549,095	10/1985	Stefani et al.	307	254	11/1982
<i>Q</i>	4,588,906	05/1986	Taylor	307	270	04/1984
<i>Q</i>	4,608,524	08/1986	Yokobori	318	254	04/1985
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<i>Q</i> 26	Bonkowski, R. L., "A Technique for Increasing Power Transistor Switching Frequency," published by IEEE, February 1984, pp. 735-738. <del>271</del> 735-738
<i>Q</i> 27	Dobkin, Robert C., "IC with Load Protection Simulates Power Transistor," <u>Electronics</u> , February 7, 1974, pp. 119-123.
<i>Q</i> 28	<del>Dobkin, Robert C., "Variable Output Three Terminal Regulator," <u>New Electronics</u>, July 11, 1978, pp. 36 and 39. No Date</del>

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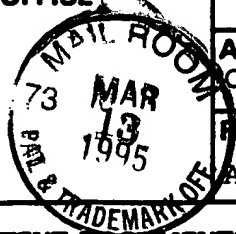
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Ⓢ	4,777,386	10/1988	Majumdar	307	270	10/1987

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Ⓢ29	Dobkin, Robert C., "Break Loose from Fixed IC Regulators. With Adjustable Three-Terminal Power monolithics You Get Top Performance Along with Versatility," <u>Electronic Design</u> , Vol. 25, No. 8, April 12, 1977, pp. 118-122.
Ⓢ30	Frederiksen, Thomas M., <u>Intuitive IC Electronics. A Sophisticated Primer for Engineers and Technicians</u> , 1982, pp. 78-81.
Ⓢ31	Gersbach, E. E., "Saturation Control Circuit," <u>IBM Technical Disclosure Bulletin</u> , Vol. 21, No. 8, January 1979, p. 3109.

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Q <sub>2</sub>	Horowitz, Paul and Hill Winfield, "Transistor Saturation," <u>The Art of Electronics</u> , Cambridge University Press, 1993, pp. 1062-1063.
Q <sub>33</sub>	<del>Nelson, Carl T., "Technological Advances in Monolithic Instrumentation Amplifier and Voltage Regulators," <u>WESCON Conference Record</u>, Vol 25, 1981, paper 19/2, pp. 1-4. No date</del>
Q <sub>34</sub>	Nelson, Carl T., "Power Distribution and Regulation can be Simple, Cheap and Rugged. Self-contained 3-pin regulators are versatile building blocks that simplify many power distribution problems. Here are some useful applications," <u>Electronic Design News</u> , February 20, 1973, pp. 52-58.
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Q <sub>36</sub>	<del>Redl, Richard and Sokal, Nathan O., "Optimizing Dynamic Behavior with input and Output Feed Forward and Current-Mode Control," <u>Proceedings of Powercon 7</u>, 1980, pp. H1-1 to H1-16. No Date</del>
Q <sub>37</sub>	Rischmueller, K. "Lo Power. Auto-regulated and auto-protected drives for power switching," <u>Power Conversion International</u> , September/October 1979, pp. 22-28. 22, 24, 26, 28
Q <sub>38</sub>	Schultz, Warren, "Baker Clamps. Traditional concepts updated for third generation power transistors," <u>Power Conversion International</u> , July/August 1984, pp. 40-45.
Q <sub>39</sub>	Apathy, Anand K., and Messenger, Lawrence W., "Base Drive for High Power/Frequency PWM Transistor Inverter", <u>IEEE</u> , September 1985, pp. 1020-1024.
Q <sub>40</sub>	Application Note, "Designing Switching Regulators," <u>Linear Applications</u> , National Semiconductor, March 1969, pp. AN2-1 to AN2-12.

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